

Abstract

An electronic microwave circuit (1) with GaAs field-effect transistors (15), which are integrated onto a semiconductor substrate (5), for switching high frequency electrical input signals (16) has at least one light source (2) for illuminating the GaAs field-effect transistors (15). The intensity of the light source (2) and/or the colour of the light source (2) are changeable during operation. A calibrating device (20) calibrates the intensity and/or colour of the light source (2) using a method according to the invention.